

Product: MIG (CXCL9), human, recombinant
Catalog #: 11-MIG-H
Amount: 5 µg

DESCRIPTION: Recombinant Human MIG (monokine induced by gamma-interferon) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 103 amino acids and having a molecular mass of 11700 Dalton. rHuMIG is purified by proprietary chromatographic techniques. The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Pro-Val-Val-Arg.

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 11.7 kDa

PURITY: > 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuMIG

DIMERS & AGGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a standard solution of MIG as a Reference Standard.

FORM: Purified.

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rHuMIG is fully biologically active when compared to standard. The Biological activity is calculated by its ability to chemoattract Human peripheral blood T-lymphocytes using a concentration of 10-100 ng/ml.

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